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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/705,620	11/10/2003	William R. Freeman	15436.250.32.1	4707
22913 75	590 11/03/2006		EXAMINER	
WORKMAN NYDEGGER			NGUYEN, PHILLIP	
(F/K/A WORKMAN NYDEGGER & SEELEY) 60 EAST SOUTH TEMPLE			ART UNIT	PAPER NUMBER
1000 EAGLE GATE TOWER			2828	
SALT LAKE CITY, UT 84111			DATE MAILED: 11/03/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/705,620	FREEMAN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Phillip Nguyen	2828				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w. - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timulated the second will expire SIX (6) MONTHS from cause the application to become ABANDONE	l. tely filed the mailing date of this communication. (35 U.S.C. § 133).				
Status						
3) Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro					
Disposition of Claims						
4) Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 1-10 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 11.	vn from consideration. r election requirement. r. epted or b) □ objected to by the B drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate				

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1 and 6 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Berger et al. (US Patent No. 5181214).

With respect to claims 1-3 and 6-8, Berger discloses in Fig. 1-3 a microelectromechanical system for controlling the temperature of a heat-generating component which is a laser diode 31, comprising: a magnetic heat sink device 13; a temperature sensor 43; and control circuitry 65; wherein the temperature sensor detects the temperature of the laser through the heat sink device and feeds the sensed temperature to the control circuitry. It is noted that the thermoelectric cooler (T-E cooler) is considered as a magnetic heatsink because it includes megneto caloric (see paragraph 0035, Bell, US Publication No. 20030005706).

With respect to claim 4, Berger discloses the control circuitry comprising a processor 65.

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With respect to claims 5 and 9-10, Berger discloses the processor 65 maintains the temperature of the laser to the maximum operating temperature which is believed that the processor compares the sensed temperature against a the predetermined temperature (col. 5, lines 59-67 to col. 6, lines 1-10) to take more heat out of the laser when the detected temperature is higher than the temperature set point and take less heat out of the laser when the detected temperature is lower than the temperature set point.

Communication Information

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phillip Nguyen whose telephone number is 571-272-1947. The examiner can normally be reached on 9:00 AM - 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MINSUN HARVEY, can be reached on 571-272-1835. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MINSUN OH HARVEY PRIMARY EXAMINER